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011762285 **Image available**

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Skin wrinkle removal using lasers - using laser radiation which is absorbed by chromophore in dermis to heat collagen and shrink skin
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Number of Countries: 078 Number of Patents: 014
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9808568	A1	19980305	WO 97GB2322	A	19970829	199816	B
ZA 9707751	A	19980527	ZA 977751	A	19970828	199827	
AU 9739511	A	19980319	AU 9739511	A	19970829	199831	
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US 20020045891	A1	20020418	US 97919472	A	19970828	200228	
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CA 2265041	C	20020702	US 2001981077	A	20011227		
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ES 2218695	T3	20041116	EP 97936817	A	19970829	200477	

Priority Applications (No Type Date): GB 9618051 A 19960829; US 97919472 A 19970828

Patent Details:

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WO 9808568 A1 E 12 A61N-005/06

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CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US
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KE LS LU MC MW NL OA PT SD SE SZ UG ZW

ZA 9707751	A	10	A61N-000/00	
AU 9739511	A		A61N-005/06	Based on patent WO 9808568
EP 932431	A1 E		A61N-005/06	Based on patent WO 9808568
Designated States (Regional): BE CH DE DK ES FR GB IT LI NL SE				
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				Div ex application US 99263422
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				CIP of patent US 5983900
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DE 69728779	E		A61N-005/06	Based on patent EP 932431
				Based on patent WO 9808568
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Abstract (Basic): WO 9808568 A

The basic skin structure of mammalian skin tissue comprises three layers, the outer epidermis (1) which is adjacent to the basal layer (2) and then the dermis (3). Laser radiation is applied to the tissue and is selectively absorbed by a chromophore in the dermis, heating the collagen and shrinking the skin and hence removing the appearance of wrinkles.

An optional step in the procedure is the partial removal of an area of the epidermis using laser radiation. The method leaves the basal layer intact to prevent contact of the dermal layer with the ambient air.

ADVANTAGE - Prevents secondary burns and similar problems during wrinkle removal.

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Title Terms: SKIN; WRINKLE; REMOVE; LASER; LASER; RADIATE; ABSORB; CHROMOPHORE; HEAT; COLLAGEN; SHRINK; SKIN

Derwent Class: P31; P34; S05; V08

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